Public Informational Meeting

September 3, 2020

Bridge Preservation NHDOT Project No. 41483

Gilford Bridge 102/099 – NH Route 11 over Gunstock River

Gilford Bridge 138/137 – NH Route 11A over Poor Farm Brook



Meeting Participant Protocols:

- There will be an opportunity to ask questions and/or provide comments at the end of the formal presentation.
- Questions/comments can either be entered into the "Q&A box", or can be addressed through the "raise your hand" option if you prefer to speak.
- When dialing in via phone, pressing *9 will activate the "raise your hand" feature. State your name prior to asking your question.



PRESENTERS

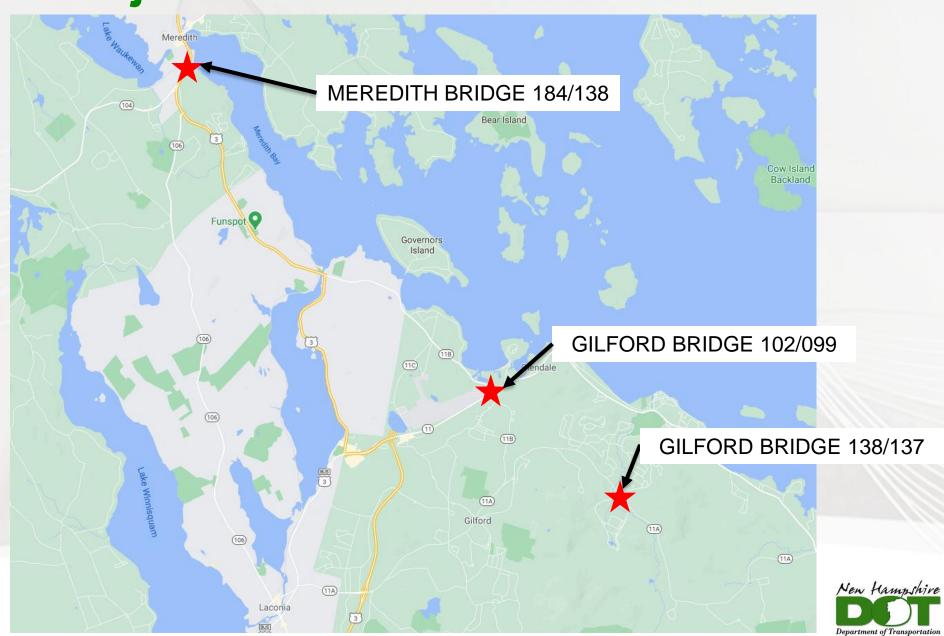
Joe Adams, DOT Project Manager – Introduces Project Phil Brogan, DOT Project Lead – Bridge, Traffic & Environmental Issues

PANELISTS

Mike Mozer, DOT Senior Project Engineer Rebecca Martin, DOT Senior Environmental Manager Sam White, McFarland Johnson Design Team Steve Ireland, McFarland Johnson Design Team



Project Location



What is Bridge Preservation?

- Regular maintenance that extends the life of the bridge by addressing deterioration before it accelerates
- More cost effective than waiting until some or all of the bridge requires complete replacement
- Similar to regular oil changes in a vehicle

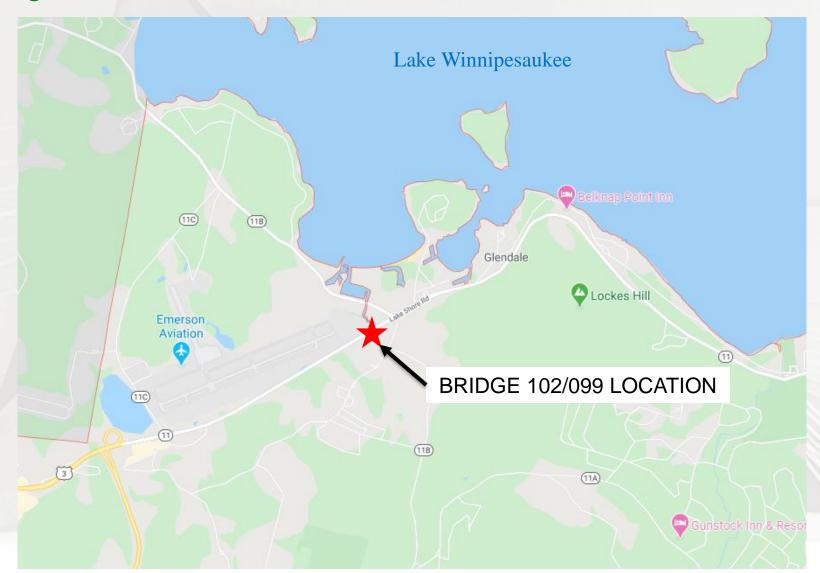




Gilford – Bridge 102/099 – NH Route 11 over Gunstock River



Project Location





Existing Bridge Details

- Concrete box structure
- Single 20'-0" span
- 44'-0" curb-to-curb width
- Constructed in 1958
 - Curbs and rails replaced in 1997
 - Center of concrete deck patched in 2000
- 10,000 vehicles per day, 7% trucks
- Existing snowmobile bridge to the south











Bridge Preservation Items

- Replace bridge deck membrane and asphalt overlay
- Complete concrete repair to deck and substructures
- Seal cracks in abutment walls
- Replace approach guardrail and terminal units
- Replace guardrail thrie beam on bridge



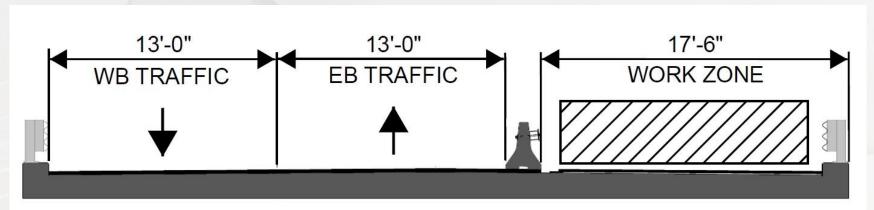
Traffic Control

Phased Construction

- Three construction phases
- Maintain two lanes of traffic (one lane in each direction) throughout construction
- Anticipated duration
 - Phase 1: 3 weeks
 - Phase 2: 6 weeks
 - Phase 3: 3 weeks



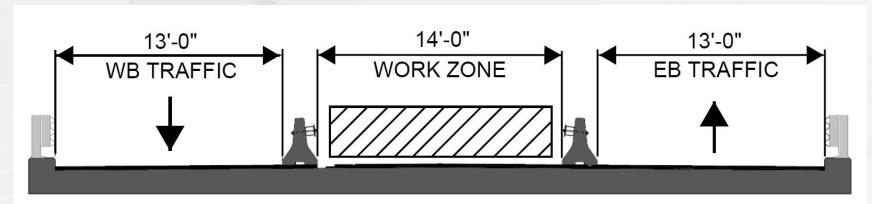
Traffic Control - Phase 1

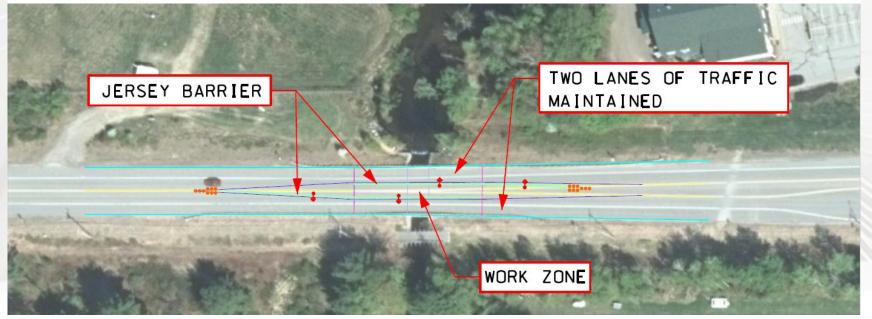






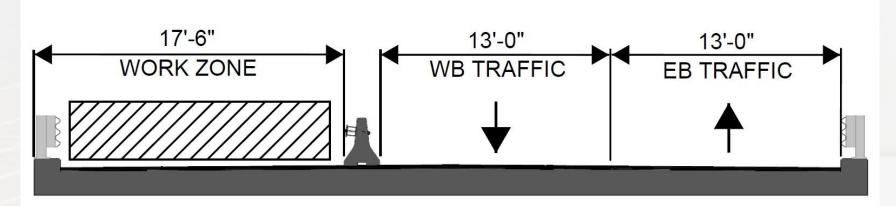
Traffic Control – Phase 2

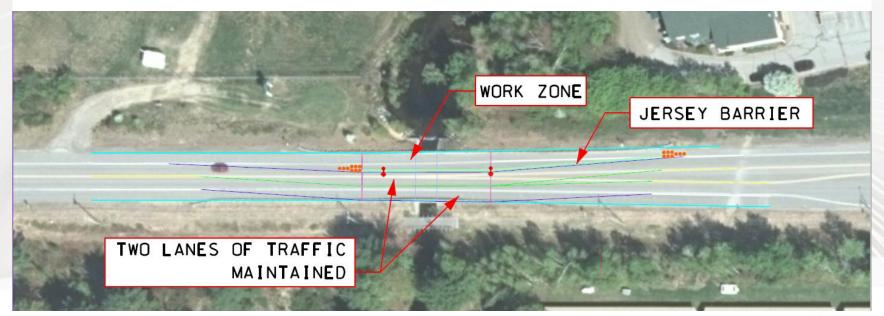






Traffic Control – Phase 3







Natural and Cultural Resources

- Gunstock River
 - Wetland Permit required for temporary impacts
- Prime Wetlands (500' + to the E and W)
 - No impacts anticipated
- Post 1945 concrete bridge is exempt from historic resource review
- No other known historic resources
- Potential rare species
 - Northern Long-eared Bat and Small Whorled Pogonia





Gilford – Bridge 138/137 – NH Route 11A over Poor Farm Brook



Project Location



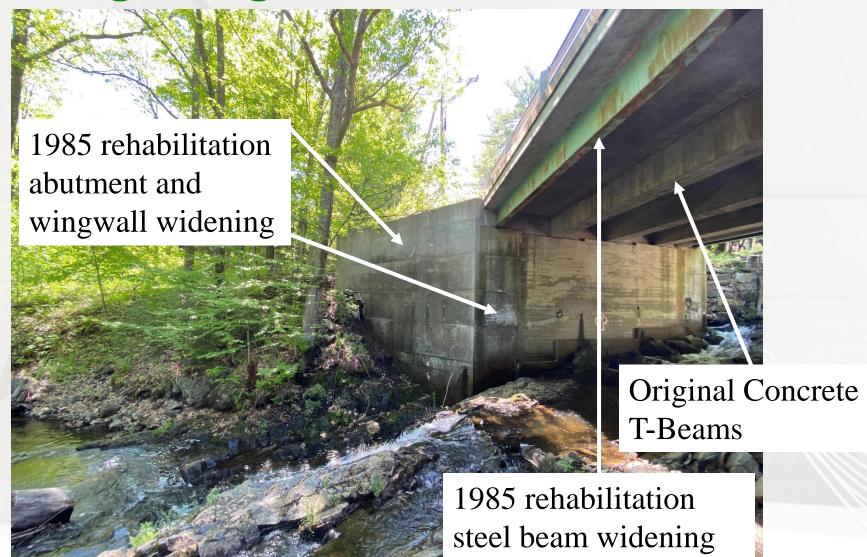


Existing Bridge Details

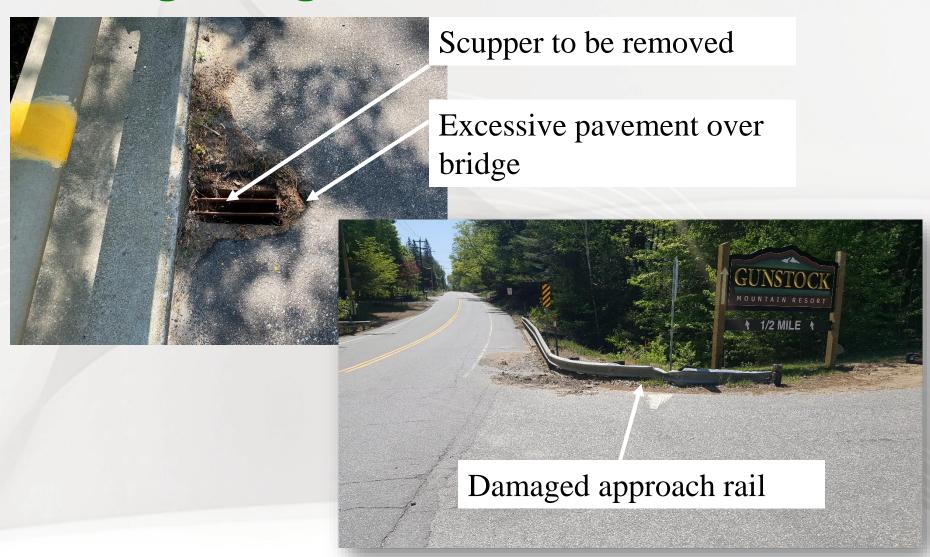
- Concrete T-beam and steel beams
- Single span of 30'-0"
- 32'-0" curb-to-curb width
- 25-degree skew
- Constructed in 1936
- Rehabilitation in 1985 included bridge widening with steel beams
- 5,700 vehicles per day, 4% trucks



Existing Bridge Details











NE wingwall undermining from bank erosion

Deteriorated scupper to be removed











Bridge Preservation Items

- Replace bridge deck membrane and asphalt overlay
- Profile adjustment to remove excessive amount of pavement on bridge
- Concrete spall and crack repairs in superstructure and substructure
- Replace bridge rail
- Replace approach guardrail and terminal units
- Remove bridge drainage scupper
- Install riprap to repair bank erosion on northeast corner



Traffic Control

Phased Construction

- Two construction phases
- Signalized one-lane alternating two-way traffic
- Temporary signals at NH Route 11A and Area Road
- Anticipated duration
 - Phase 1: 5-6 weeks
 - Phase 2: 5-6 weeks



Natural and Cultural Resources

- Poor Farm Brook
 - Wetland Permit required
- Bridge is not eligible for National Register of Historic Places
- Nearby homes >50 years old
 - Reviewing in accordance with Section 106
- Potential rare species
 - Northern long-eared bat



Historic Resource Consultation

- Anyone with information or concerns about potential historic resources can contact the NHDOT Bureau of Bridge Design or Bureau of Environment.
- To be more formally involved, you can request to participate in project review as a consulting party under Section 106 of the National Historic Preservation Act. Please contact Jamie Sikora at FHWA to request to become a consulting party:

Jamie.Sikora@fhwa.dot.gov

Project Schedule

- Public Informational Meeting September 3rd, 2020
- Present proposed work to Cultural and Natural Resource Agencies to get their input and comments – Fall 2020
- Complete the NEPA process (National Environmental Policy Act) – Fall 2020
- Final Design Fall 2020
- Advertising Winter 2021
- Construction 2021 and/or 2022



Input is Needed

- Emergency response routes
- Mutual aid
- School bus routes
- Seasonal concerns with construction
- Bike and pedestrian concerns
- Other concerns



Contact Information:

- Project Manager Joe Adams, P.E.
- Email Joseph.AdamsJr@dot.nh.gov
- Telephone (603) 271-2731



Questions/Comments?





